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Students of Worcester Technical Institute

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The

OPR.



Vol. X.

Saturday, April 28, 1894.

No. 2.

CONTENTS.

	PAGE		PAGE
Editorials	13	Theses Subjects	21
The Tech-Aggie Game	14	Banjo Club	21
Communications	17	Tennis Club	21
The Camera Club Exhibition	18	Foot-Ball	21
The Athletic Outlook	19	W. M. E. S.	22
The Conference of Y. M. C. A. Presidents	19	Lecture on Chemical Technology	22
Y. M. C. A.	20	Concert Arrangement	22
The New Catalogue	20	Alumni Notes	22
Editor's Table	20	Technicalities	23
'95's Class-Book	21	Some College Verse	23

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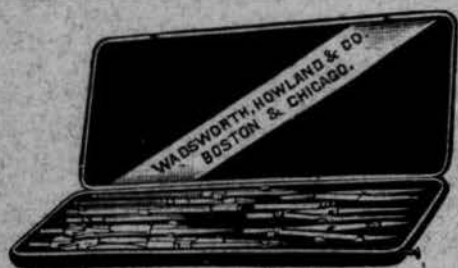
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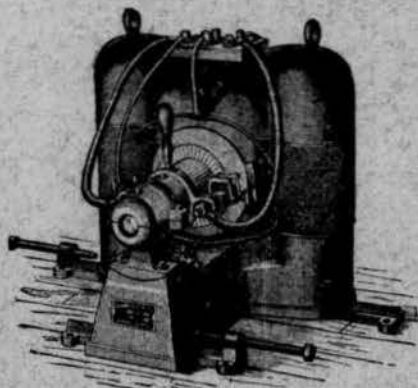
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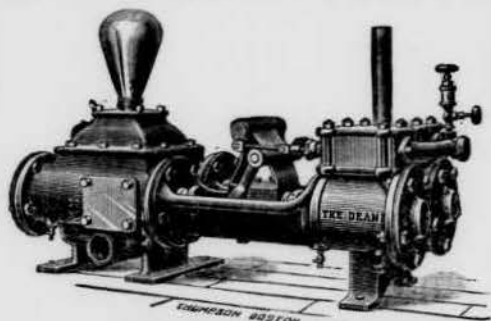
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THE W P I

Vol. X.

WORCESTER, APRIL 28, 1894.

No. 2.

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The W P I is published by the students of the Worcester Polytechnic Institute on alternate Saturdays during the Institute year.

Items of interest are requested from students and alumni of the Institute. All matter must be written in ink and accompanied by the author's name, not necessarily for publication, but as a guarantee of good faith on the part of the writer.

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Remittances and communications pertaining to business should be addressed to the Business Manager. Address all other communications to the Editor-in-Chief.

Entered at the Post-Office in Worcester, Mass., as second-class matter.

A copy of the last issue of the W P I was sent to every alumnus of the Institute, whether a subscriber or not; to the non-subscribing alumni was also sent a postal, with paid reply, stating the financial condition of the paper, and requesting that they sign the annexed card, upon which was printed an order for a year's subscription, and mail the same to us. So far, the number of postals returned has been fully up to our expectations, and we trust the coming week will bring us in many more.

It is probable that, in running over the catalogue to get the names of the non-subscribers, a few who were already subscribers failed to be crossed off, and so received postals. One instance of this fact has come to our notice. An old subscriber received a request to subscribe. Immediately he wrote us a letter saying that he "did not care to subscribe for two copies even though it would please the new management," etc. It is needless to state that such instances were purely oversights on our part, and we hope they will be considered as such by those who, although subscribers, were sent postals.

Most of the students here have the impression, apparently, that the debt in which the Base-Ball Association now is, is the result of mismanagement and extravagance on the part of Mr. Wallace, who managed the team during the season of '92. It is on this account that we take pleasure in publishing in this issue, a statement from Mr. Wallace, and also a communication from the present manager, in which he states that the '92 manager is entirely free from blame in the matter. Any one who reads Mr. Wallace's communication cannot fail to be convinced, as Manager Gordon states, that, as far the '92 management is concerned, everything is all straight.

The debt, as has been said before, can be laid directly to the fact that the money subscribed by the students for a team, was never paid by them. But this thing is not confined to the season of '92, alone. Last year the money paid into the treasury by one of the classes now in the Institute, amounted to a little over half of what had been subscribed. This year the call for subscriptions has been quite generously responded to and these, if paid, as they should

be, will pay the debt and also support the team this season.

It seems hardly possible that just one week from to-day, weather permitting, the annual class-sports will be held. Last year the Athletic Association held them after Intercollegiate Day, and it is doubtful if any previous sports ever fell below them in enthusiasm, attendance, or excitement. The directors, clearly seeing their mistake, wisely voted to hold the sports this year before the intercollegiate games. In this way, Tech can select the men to represent the Institute from the men who make the best showing on Field-Day. But it strikes us that the date set is rather too early to secure the best results.

We have one suggestion to make to the athletic directors and it is this: That the contestants wear their class colors conspicuously. This would add much to the interest, and attractiveness of the occasion.

After much speculation and uncertainty on the part of the students, the Faculty voted to hold no session of the Institute on Thursday—Patriots' Day. Many believed the Faculty would vote otherwise, in which case dire threats and statements were made, including one to the effect that inasmuch as the Institute was incorporated it would be obliged to pay a heavy fine if any session was held. Such a statement is, nevertheless, absolutely without foundation.

It was, however, clearly the Faculty's duty to decide as they did, since the day had been made a legal holiday by the governor, to commemorate the patriotism of those who were the earliest factors in this nation's struggle for independence. Had the Faculty refused to honor the day it would have shown that they were not wholly in sympathy with the motives that led to its establishment.

It is to be regretted that the nine was unable to play anything more than a practice game with the High Schools' on Patriots' Day. Owing to the fact that the Faculty, until Tuesday night, were undecided whether to give us the day or not, it was impossible for the Manager to arrange any out-of-town game, since the limit of games allowed away from home had already been arranged. On Wednesday, finding that there would be no session of the Institute, Manager Gordon endeavored to secure a game, but met with poor success as by that time all the clubs had a game. Several excellent offers had, however, been previously received to play on that day, one of which, had it been possible to accept, would have netted the Association fully fifty dollars.

The concert soon to be given by the Glee, Banjo, and Mandolin clubs, deserves the hearty support of all Tech men. The clubs have spared neither time nor pains in preparation for the event and the students should show their appreciation by all attending. The entire proceeds will go toward the support of athletics at the Institute—a part to the Athletic, and a part to the Baseball Association. The expenses have necessarily been considerable, hence it will only be by having a full house that the results, from a financial point of view, will be satisfactory. So we would say, not only attend yourself, but induce all your friends to do likewise.

THE TECH-AGGIE GAME.

Although the weather last Saturday morning was decidedly threatening, Manager Gordon decided to run the chances of a pleasant afternoon and accordingly the team, together with the writer, left Worcester on the 9.50 train for Amherst, where the nine had a game scheduled for that afternoon with the team representing the Mass. Agricultural College, or, as it is better known, with the "Amherst Aggie" nine. It was raining slightly when Amherst was reached, but after dinner it cleared up tempo-

rarily, and the sun came out just as the Worcester men came onto the field. The field, by the way, is an excellent one, and the drainage simply perfection. In spite of the fact that it had rained hard there all the night before, and most of the morning, the diamond was not in the least muddy.

The Tech men put up an excellent game. Martin, who did so well against the High Schools, in the practice game on Patriots' Day, pitched the entire game, the Aggie men making but seven hits off his delivery, and these were scattered. Knowles, at third base, played even a better game than he did there last year. His put-outs were mainly pop foul-flies, which required considerable hustling to reach. Philpot, playing short, had an off day, but his errors, however, were not costly. For the Aggie team Leamy, behind the bat, easily did the best work, although Sullivan's playing at first, and especially his base running, was of the gilt-edged order.

The game was by no means devoid of sensational features. Leamy, who is a stocky-built fellow, almost too fleshy, it would seem, to be able to play, was struck in the mask, in the fourth inning, by a foul tip from Harris' bat, and rendered unconscious. In ten minutes, however, he had recovered sufficiently to continue playing. In the sixth inning, with Knowles on third, a scratch hit was made and Knowles attempted to score but ran into Leamy at the plate, and again that player was knocked out. After restoratives had been applied he "came to," and pluckily played the game out, although feeling far from well.

The game opened with the Institute players at the bat, Philpot being the first man up. He went out on a fly to Howard. Knowles followed Philpot's example, the only difference being that Jones made the put-out. With two men out, Zaeder hit out a three-bagger to left field, and scored a moment afterwards on short-stop's error of Gordon's grounder. Bunker got in a hit to left, Gordon reaching third thereby. Cullen hit a high fly, which the second baseman gathered in.

The Amherst batters were retired in short order in their half of the inning. Leamy hit a hot grounder to Zaeder and was out. Jones knocked a foul fly over third base, which Knowles took in, but only after a hard run. Sullivan reached first on Knowles' error, but there he stayed, for Clark hit an easy grounder to Martin and was retired.

Score: W. P. I., 1; Aggie, 0.

Harris hit a high fly to the right fielder and so made the first out. Fisher reached first on Clark's error. Martin hit an easy grounder to

H. Reed, who threw to Clark at second in order to make a double play. Clark then threw to Sullivan in time to catch Martin at first. Fisher, however, was safe, for, although Clark had plenty of time, he failed to touch the base before throwing to Sullivan. Philpot went out, Clark to Sullivan, leaving Fisher on second.

Aggie scored a run in the second inning through Martin's misjudgment. Day was out on a fly to Philpot. Marshall got in a hit to left and immediately stole second. Howard sacrificed, Philpot to Zaeder. Here occurred the error that cost Tech a run. With two men out H. Reed hit an easy grounder to Martin, who, although having plenty of time to retire Reed at first, attempted to catch Marshall at the plate, but failed, and so Aggie scored her first run. F. Reed made a hit to left and H. Reed reached third, but there they stayed, for Leamy hit a fly that Bunker caught.

Score: W. P. I., 1; Aggie, 1.

The third inning opened with Knowles at the bat, but again he went out on a fly, this time to left field. Zaeder attempted to repeat his three-base hit, but went out on a foul tip. Gordon hit the first ball pitched to left field and was out. Five balls retired the three Tech players in this inning.

Jones went out to Zaeder unassisted. Martin gave Sullivan his base on balls, and that player stole second. Knowles made another put-out by gathering in Clark's fly. Sullivan stole third. Day, the next man at bat, was hit and took his base. Marshall hit a grounder to Philpot, but "Phil" and the ball failed to connect and the batsman was safe, while Sullivan scored. Knowles got Howard's pop-foul and so the side was retired.

Score: Aggie, 2; W. P. I., 1.

The fourth inning saw Bunker at the bat. He went out, F. Reed to Sullivan. Cullen, the next man, hit to centre for one base. Harris, after prostrating Leamy with a foul, decided not to hit the ball and so got his base. In the meantime Cullen had stolen both second and third. Cullen scored on a passed ball, while Harris reached third. The next ball pitched was a wild one, and Harris scored. Fisher struck out, and Martin was retired, pitcher to first.

H. Reed knocked a foul to Knowles, and, of course, was out. F. Reed was put out by Zaeder, Martin assisting. Leamy got in a hit to left, but was caught stealing second on Fisher's beautiful throw to Cullen.

Score: W. P. I., 3; Aggie, 2.

In the fifth inning neither side scored. Philpot hit to Sullivan, who put that player out unassisted. Knowles was out at first, Day to Sulli-

van. Zaeder made the third out by sending a fly into Howard's hands, in centre.

Jones hit a grounder, and was out at first, Knowles assisting. Philpot's error allowed Sullivan to reach his base. Clark hit to Martin and was retired. Sullivan stole the second, but was caught stealing third, Fisher to Knowles.

Score: W. P. I., 3; Aggie, 2.

In the sixth inning Gordon went out, third to first. Bunker hit an easy fly to the pitcher, but he muffed it and Bunker was safe. Cullen again flied out to Clark. Bunker stole second and third. Harris hit to Day, but that player held the ball in order to keep Bunker on third. Bunker, however, would not stay and so scored, only after being chased up and down the line. Fisher went out to Sullivan, unassisted. Day hit just out of Philpot's reach. Marshall struck out, while Howard was out on a fly to Knowles. Day stole second and reached third on a wild pitch, but there he stayed, for H. Reed knocked a fly to Knowles.

Score: W. P. I., 4; Aggie, 2.

In the seventh inning, Martin was hit by the ball, and, after reaching first, stole second. Philpot again went out to Sullivan. Knowles hit over second, advancing Martin a base. Reed, rather than have Zaeder hit the ball, gave him his base on balls. Gordon made a sacrifice fly to Howard, bringing in Martin. Bunker sent a grounder to H. Reed, who fumbled, and Knowles attempted to get home from third, but failed, being put out by Leamy, who was rendered unconscious by being run into by Knowles.

In the Aggie half, F. Reed went out to Zaeder, unassisted. Burgess here took Leamy's place at the bat and knocked an easy fly to Bunker. Jones went out at first, Knowles assisting.

Score: W. P. I., 5; Aggie, 2.

Cullen started the eighth inning by going out, Reed to Sullivan. Harris hit to left and attempted to make it good for two bases, but failed, being put out by Clark. Fisher struck out for the second time.

For the home team, Sullivan hit a hot liner to Martin, who fumbled. Clark sacrificed, Knowles to Zaeder. Sullivan stole third on Fisher's return of Martin's pitch, and scored the third and last run for Aggie on Marshall's hit. Howard got his base on balls. H. Reed hit to Philpot, but the base runner interfered with him, and all were advanced a base. F. Reed flied out to Zaeder.

Score: W. P. I., 5; Aggie, 3.

In the ninth inning Martin went out, H. Reed to Sullivan. Philpot waited for three poor balls and then started to run to the base, just after the next ball was pitched. He, of course, was declared out for stepping out of the

box. Knowles hit a two-bagger into centre, and Zaeder followed it up with a single to right, bringing home Knowles. Zaeder stole second. With two out, Gordon bunted and was out easily, F. Reed to Sullivan.

Leamy hit out to Zaeder and was retired. Jones gave Knowles another foul fly. Sullivan hit to Philpot, threw wild and Sullivan was safe. It made no difference, however, for Clark went out, Knowles to Zaeder.

The score:—

W. P. I.

	A.B.	R.	B.	P.O.	A.	E.
Philpot, s.s.,	4	0	0	1	1	3
Knowles, 3b.,	5	1	2	8	4	1
Zaeder, 1b.,	4	1	2	13	0	0
Gordon, c.f.,	5	0	0	0	0	0
Bunker, l.f.,	4	1	1	3	0	0
Cullen, 2b.,	4	1	1	1	0	0
Harris, r.f.,	3	1	1	0	0	0
Fisher, c.,	4	0	0	1	2	0
Martin, p.,	3	1	0	0	4	2
	36	6	7	27	11	6

AGGIE.

	A.B.	R.	B.	P.O.	A.	E.
Leamy, c.,	5	0	1	4	0	0
Jones, l.f.,	5	0	0	3	1	0
Sullivan, 1b.,	4	2	0	12	0	0
Clark, 2b.,	5	0	0	3	3	2
Day, 3b.,	3	0	1	0	2	1
Marshall, r.f.,	4	1	2	1	0	0
Howard, c.f.,	3	0	0	3	0	0
H. Reed, p.,	4	0	0	0	6	2
F. Reed, s.s.,	4	0	1	0	1	1
	37	3	5	26*	13	6

*Philpot out for stepping out of box.

W. P. I.,	1	0	0	2	0	1	1	0	1—6
Aggie,	0	1	1	0	0	0	0	1	0—3

Earned runs, W. P. I., 1; two-base hit, Knowles; three-base hit, Zaeder; sacrifice hits, Harris, Gordon, Cullen, Clark 2, Howard; stolen bases, Zaeder, Gordon, Bunker 2, Cullen 2, Harris, Martin, Sullivan 4, Day, Marshall, F. Reed; first base on errors, Gordon, Sullivan 4, Fisher, H. Reed, Marshall, Bunker; first base on balls, Sullivan, Harris, Zaeder, Howard; hit by pitched ball, Day, Martin; left on bases, Gordon, Bunker, Sullivan 2, Fisher, H. Reed 2, F. Reed, Day 2, Marshall 2, Harris, Zaeder 2, Howard; struck out, Fisher 2, Marshall; passed ball, Leamy; wild pitch, Martin, H. Reed. Time of game, 2h. 10m. Umpire, Rawson of Amherst.

AFTER THE GAME.

"Get together."

Bunker is fast developing into a star fielder.

Leamy is a plucky player to "stay" as he did.

Fisher is rather slow in throwing to second, but when they do go they move right along.

Philpot's playing at short is not what it should be, neither is it what he is capable of.

'T would indeed be hard to find a better all-round player than "Ching" Knowles at third.

Martin has excellent control of the ball, and can put them just where he wants to.

Knowles thinks some of those fouls come high, but says they must be had.

"Phil" says that hereafter he intends to stay in the box until he finds out whether the ball pitched is a ball or a strike.

With two men out and men on bases, it seems decidedly poor judgment to bunt.

It was amusing to see the fielders get back when Zaeder stepped up to the plate.

Some of the team put on rather long faces when they discovered that the *one* bat, preferred to all others by seven of the players, had been left at home.

COMMUNICATIONS.

Editor W P I:—

I wish to make a statement relative to some editorials which have appeared in your paper during the past two months concerning the base-ball management during the season of 1892.

It may not be generally known, but it is a fact, that, up to the season in question, no Institute team had been in the field for some time and there was no property belonging to the Base-ball Association, consequently there were expense items that season which would not occur on the second or third season, the uniforms and other merchandise purchased in 1892, being available to succeeding teams. This fact, then, made it necessary to spend some money in order to equip a team.

An interest had been shown by the students in the placing of a team in the field, so, after being elected manager of the Base-Ball Club by the Athletic Association, I called a meeting of "those interested in placing a team in the field," at which some 75 or 100 students were present, and great interest was shown. An account of this meeting can be found in the W P I for March, 1892, stating that "the following officers were elected unanimously: President, A. E. Culley, '92; Vice Pres., H. L. Cobb, '94; Secretary and Manager, J. H. Wallace, '92; Treasurer, N. M. Paull, '93. The above named, together with H. M. Southgate, '92, F. H. Stone, '93, G. C. Gordon, '94, and A. H. Warren, '95, were constituted a Board of Directors, with whom all business was left." At the meeting above mentioned it was decided, after some discussion, that the Manager should be Secretary of the Association and that the entire financial management should be in the hands of the Treasurer.

The Manager being from the Senior class would graduate, but the Treasurer would return and, if it be the desire of the students, become

Manager during the Senior year, a new Treasurer being elected from the next lower class. It was only under these conditions that I accepted the position of Manager of the team and Secretary of the Association, as I felt that these duties would be as great as I ought to attempt to perform. Could I have foreseen the action of the students in refusing to support the team, many of them after pledging themselves to do so, it is needless to state what my course would have been. In the circulation of subscription lists, good backing was promised. Meetings of the directors were held frequently, and a policy outlined for the season's work. We decided to go ahead on the promises and order necessary articles, including uniforms. The order was finally given to Mr. L. C. Havener, who has treated the Institute very fairly, and is certainly entitled to the full amount of his bill.

On the second round of the subscription lists scarcely any money could be collected. Some under-graduates, dissatisfied at not being selected for the team, refused to pay anything toward its support and brought others to the same conclusion. Mr. Paull tried his best to collect the money promised, and naturally lost his interest. He and I erred together in not resigning at once, but were carried along by the feeling that good work by the players would bring the students to the support of the team, and that as our guarantees were never above \$20.00 we should be able to pay expenses until that time should come. Then came no audiences to the games and no money into the treasury.

When '93 men became Seniors, Mr. Paull was elected *Manager and Treasurer*. No financial report was asked for and all blame was laid to me, probably because I was not present to "say a few words." Mr. Paull was elected Manager, yet he had made no report. If I was expected to make one, of what nature was it to be?

Another season was played and, as I understand it, the debt was not lessened.

Now for the present. There is a debt which, though not large, should be paid by the classes of '92, '93, '94, and '95, and paid at once. These classes by paying only one dollar apiece all around could settle this debt and put the base-ball team on a sound footing. This *dollar apiece* would not come hard, and would do wonders. Now, '92 men, let each one of us send a dollar to Manager Gordon, and have the satisfaction of knowing that '92 has done her part.

I have felt great interest in the success of the team, and have had to pay dearly for it. During my year as Manager it cost me over \$30, beside time, and worry, and neglect of studies. However, if I can see the base-ball club of our

own Tech on a sound basis, and playing creditable games with sister colleges, I shall be satisfied, indeed. So classmates, don't say your dollar won't be missed, but send it at once to the present Manager, and let him acknowledge through the columns of this paper how much '92 has done, not individually, but as a class.

Wishing success to the efforts of the present management, I am, respectfully,

JOSEPH H. WALLACE, W. P. I. '92.

Editor W P I:—

An editorial in a recent number of the W P I refers to the base-ball debt as due to the mismanagement of 1892 and 1893. In justice to the '92 manager, I would like to state that he *was not the treasurer* of the Association, and therefore could not be expected to render a financial report. He acted in perfect accord with the instructions of the directors, who were perfectly satisfied that he spared no pains to make the team a success in every respect.

In justice to all concerned, I would say that the debt was incurred only after sufficient money had been subscribed by students to warrant its contraction, and had this money been paid the team would have been square with the world at the close of the season. It could then have remained so, since these same uniforms and merchandise are still in use and the running expenses are light.

The fault is then with '92, '93, '94, and '95, and it seems only fair that they should each send a little to settle the bill, and allow this year's team to start in unhampered with debt.

Respectfully,

GEORGE C. GORDON,

Manager of Ball Team.

THE CAMERA CLUB EXHIBITION.

The Tech Camera Club held its fifth annual exhibition, in the Mechanical Model Room of the Salisbury Laboratories, Saturday, April 21, afternoon and evening. The number of prints was, perhaps, not quite so large as last year, but the quality was excellent and an interesting exhibition was enjoyed by all who went to see it. This fact does not seem to have been generally appreciated by the friends of the Club, for the attendance was unusually poor. The Faculty was fairly well represented, both individually and by members of their families; there were also a few outsiders, but the Techs in general were conspicuous chiefly on account of their scarcity. No doubt the unsettled state of the weather was largely responsible for the poor attendance, but, nevertheless, it would certainly seem as if such an exhibition was well worthy of better support.

On entering the room the visitor is presented with a neat programme, containing a list of the exhibitors, names of the officers, and the Club's monogram. The prints are arranged on large easels, reaching over half-way around the room; a part of one side of the room is occupied by a large table on which is an exhibition of apparatus. Chairs are arranged about the pillars in the centre for the comfort of visitors, and large flower-stands are placed at intervals, giving the whole quite an artistic appearance.

Turning to the left on entering, the first collection is that of H. F. Walker, '94; he has some good landscapes, interior views about the Tech, and also two handsome marine blue-prints. Just beneath this exhibit is a small collection by Mr. Coombs, chiefly landscape views. Near these, H. N. Smith, '94, has a number of landscapes and interesting groups. H. T. Van Ostrand, '95, has a good collection of groups, and also unique barnyard scenes. H. T. Goss, '94, has a small collection, among which is a "ghost" picture, taken by lamplight. The next collection is a very interesting one by C. M. Allen, '94. It includes a number of good interior views, camp scenes, and odd groups, including one of the T. C. S. A. W. Howe, '95, also has a good collection of camp scenes and landscapes. H. Sinclair, '93, next has some good groups, landscapes, and interior views. The next collection is undoubtedly the largest and finest in the room, by E. H. Keith, '94. Probably the most notable are the cloud effects and a photo of a flash of lightning. He has an excellent collection of portraits, groups, including the recent "Prep" classes, and a number of interior views about the Tech and elsewhere. His marine and shipping scenes, and landscapes are first-class. He also has a number of snapshots of foot-ball scenes, bathing scenes, etc. One noticeable print of his is that of a man and horse in which the film has slipped, giving a very ludicrous effect. H. J. Fuller, '95, has a collection of good landscape views and has them mounted in rather a tasty manner. Mr. A. L. Smith next has a collection of out-door scenes, snap-shots, and photos of well known paintings. C. M. Whitney, '97, has an interesting collection of interior views about the Tech and elsewhere, also some groups, among which is a flashlight photo of three slumbering Freshmen. L. de V. Magaw, '94, has a collection of unmounted prints of out-door scenes, including a photo of the Ferris Wheel. Near these, T. F. Williams, '97, has a fine collection of groups and landscapes, all of which are unmounted. The next is an exhibit by J. W. Higgins, '96, of a number of excellent landscapes and snap-shots, including scenes at the recent New Eng-

land Fair. He has also some World's Fair views. Besides these, E. W. Vaill, '93, has a number of good landscapes, photos of dogs, etc., all of which are blue prints with the exception of one excellent bromide print of the Tech. At the other side of the break in the row of easels, caused by the windows, is the collection of John Jernberg. His collection is very interesting, consisting of views in Sweden and the far north. There are two photos of the midnight sun and a number of landscapes, also photos of Laplanders with their reindeer. Crossing the room, just to the right of the door on entering, the collections of E. G. Beckwith, '97, and C. R. Harris, '96, complete the number of exhibits shown. Mr. Beckwith has a few good 5 x 8 landscapes and interior views, also a photo of a locomotive. Mr. Harris's collection consists of a number of suggestive camp scenes, some excellent interior views, portraits, and also some photos in connection with the recent fire at Clinton.

The exhibit of apparatus was by the Worcester Supply Co., 11 Pleasant street. A number of very fine cameras were shown, together with samples of their work on different kinds of paper and plates. This exhibit was quite interesting, especially to members of the Club.

On the whole, the exhibition was very good, and reflects credit on the officers and members of the Club for the enterprise and taste with which it was arranged.

THE ATHLETIC OUTLOOK.

Although several men have been training at the Oval, the first large body of students went down last Monday afternoon. The Oval is in excellent condition and the white-clothed athletes present enjoyed their first work in the open air. '94, '95, and '97 are sending down their full quota of men, while '96 has all her athletes playing base-ball.

The outlook for the intercollegiate sports this year is exceedingly bright. Gallagher is sure to do well in whatever he attempts, while Whipple and Allen are running in their old time form. Stone, O'Connor, and Killam are going to do some fast running. Tilden will be sure to keep towards the lead in the walk, while Brigham is putting the shot and throwing the hammer in better form than ever. From '96, Zaeder and Whittall should be heard from, while from the Freshman class, as rumor tells us, Lungren, Brown, and Wheeler are all plucky men, and, with steady training, will make the best in their events hustle.

It is conceded that the class field-day this year will be very closely contested. Although '95 appears to have a cinch, from her excellent

showing of last year, the other classes, especially '94, are going to do some hard fighting before they give up first place and the banner. This close competition is just what we want. Each class will now bring out all her available men, and many dark horses, with no records, will score up for the word. And these may be the ones who will do well Intercollegiate Day.

It is disappointing that the base-ball manager cannot arrange so that the Athletic Association may have its meet May 12th. For the date arranged, May 5th, is altogether too long before Intercollegiate Day, the 23d. But we must make the best of the circumstances. Let each class hustle out all the men she can. Every man ought to be willing to give a little time for the glory of his class. And then, from a large field can be selected a successfully competing team for the intercollegiate meet.

THE CONFERENCE OF COLLEGE Y. M. C. A. PRESIDENTS.

In Amherst, from April 12th to the 15th, inclusive, there met about fifty young men, mostly Y. M. C. A. presidents, representing that association in the colleges and preparatory schools of New England and New York; also two representatives from New Jersey, and one from Montreal, P. Q.

On arriving in Amherst, we reported at the college, where we met with the warm greeting of their Y. M. C. A. president, Mr. J. S. Stocking, who was chairman of the entertainment committee. He inquired our names, the college we represented, and the fraternity to which we belonged, if any.

As Amherst College has ten fraternities and most of such men were lodged at these houses, others were sent into the various homes of the town, while those in charge of the conference stopped at the hotel.

There was a man at the college waiting to guide each delegate to his quarters, and the committee did everything to make the stay as pleasant as possible.

All the conference meetings were held in the small chapel, except the Sunday afternoon meeting, which was held in the college church, and quite a number of the college men and outsiders attended.

Addresses were made by Messrs. Mott and Hunt, two of the International College Y. M. C. A. Secretaries; by Mr. Beaver, State Secretary of Pennsylvania; Mr. Goodman, State Secretary of New York, and Mr. Sallmon, General Secretary of the Yale Y. M. C. A., on associations and association work; and Rev. Dr. Tuttle and Prest. Gates on general religious work.

F. J. BRYANT, '95.

Y. M. C. A.

A very interesting meeting was held in room 13, Wednesday, April 18, at 4.30, when a number of the members of the Tech Y. M. C. A. assembled to meet Mr. E. L. Hunt, one of the secretaries of Intercollegiate Y. M. C. A. of U. S. and Canada. Mr. Hunt gave an interesting talk on the organization and aims of the College Y. M. C. A. He referred to the Association as being better organized and more widely represented among the colleges than any of the fraternities which have grown to such an extent of late. He also drew attention to the advantage of having intercollegiate secretaries, thus enabling the better exchange of ideas and methods between the associations.

The speaker classified the aims of the Association into four branches: the first and foremost of which was to bring men to Christ. A noble work has been done in this respect. Last year alone there were 2,800 college men converted directly through its influence.

The second aim of the Association is to guard college men against temptation. On entrance to college the young man, to a certain extent, breaks off the old home association, and is very apt to be led astray, if not subjected to some religious influence.

The third aim is the all-around development of the college man. The mental and physical departments are provided for, but the spiritual man would receive scarcely any attention were it not for some such institution as the Y. M. C. A.

The fourth aim is the uniting of the college men under one common bond of fellowship. In closing, the speaker drew particular attention to the great increase of Christian influence among thinking men. The higher the plane of intellectual work, the greater is the proportion of Christians found engaged therein.

After the dismissal of the meeting, a number remained, at Mr. Hunt's invitation, to an informal conference for the discussion of methods of work, etc.

THE NEW CATALOGUE.

The Institute catalogue for 1894 has been published and already distributed to the students, and are ready for any interested party who wishes to address President Fuller for one. The catalogue is, in appearance and contents, similar to previous issues.

Following the Institute calendar, comes a list of the members of the corporation and of instructors. The summary of the number of students under each class is as follows:—

Graduate students	6
Seniors	54

Juniors	61
Sophomores	56
Freshmen	60
Special students	20
Total	257

It will be noticed that the number of special students is particularly large. The cause of this is the late ruling of the faculty, called the 3-D system, by which any student receiving three D's or under is dropped from his class.

The catalogue then presents a general history and plan of work of the Institute, and explains the different courses of study. Last comes a list of the graduates of the Institute with statistical information concerning them. This list shows the number of graduates up to date to be 592. The data concerning occupation shows how well a graduate from this institution stands in the outside world.

EDITOR'S TABLE.

A new arrival this week is *The Class Journal*, published monthly by the Freshman Class of Holy Cross College, this being the second issue. It is a neat, well-edited publication, and should prove to be a big step in advancement, Holy Cross having no college paper.

The Stevens' Life appears this week clothed in a new cover, not as most life at this season does, in more gaudy embellishments, but in a more subdued tone, the new cover being plain black and white, instead of the school colors of the old cover—As *Life* says it is, "Neat but not gaudy," and should be a desirable change.

The current issue of *The University Cynic* contains an article whose title, "The Principal University Building and Its Transformations," explains its contents. The sketch is accompanied by three views of the different buildings. It makes the issue one to be desired, not only by students and graduates of the University, but by all who are interested in our great educational institutions.

The March number of *The Brown Magazine* publishes an article, "Is Narrowness Demanded of the Modern Scholar?" It is an able discussion of the question, and coming at this day when there is so much talk about college courses, should interest all students, especially those who desire a general and liberal education.

In the publications of the young ladies' colleges, we find much of the higher and finer sentiments of thought. The manner in which *Wellesley Magazine* handles its exchanges is highly commendable, its criticisms being well placed, and its extracts well chosen.

An interpretative study of "The Rime of the

"Ancient Mariner," in the April issue, is a very instructive article. The story, "Gregorio," is finely written and embodies deep sentiment.

This month's number of *The Vassar Miscellany* has for its first article, "The Decline of Poetry in the Present Age," a piece of true merit.

'95'S CLASS-BOOK.

The Juniors are making arrangements for their class-book, and the activity displayed promises great things. The men chosen are well qualified for the work, and they will not be handicapped by shortness of time.

At a largely attended meeting, April 17, in the Physical Lecture Room, the following men were elected as editors of the class-book:—

(Mr. A. W. Doe had been elected editor-in-chief at a previous meeting.)

Mr. H. S. Favor was elected assistant editor, and Mr. A. W. Clement, Mr. E. A. Copeland, Mr. C. A. Harrington, and Mr. G. A. Denny, associate editors; Mr. H. S. Davis, business manager, and Mr. F. E. Gilbert, assistant business manager.

The elections were all closely contested and there was plenty of healthy enthusiasm, which has been somewhat lacking in the past.

Mr. A. H. Warren was elected class historian at the same meeting.

Work on the class-book will be begun immediately, and a large part of the matter will have been collected by the end of the present term.

THESES SUBJECTS.

We give below a list of the theses subjects in the Civil Engineering and Chemistry Courses. Although not official, we believe them to be correct. Next issue we shall publish a complete list of those in the Electrical and Mechanical Engineering Courses.

Chemistry Course.

Ernest A. Bickford, Garbage Disposal in Cities; Clarence W. Eastman, Examination of Moulding Sands; Edgar A. Pratt, Volumetric Determination of Phosphorus in Iron; Harry S. Whitney, Determination of Metallic Sulphides by Mercuric Cyanide.

Civil Engineering.

Harry C. Boyden, Design of Three-hinged Arch for Roof Truss; Warren E. Brooks, Investigation of a Bridge; Herbert P. Linnell, Measurement of Effluent at Sewage Works; Shepard B. Palmer, Construction of Plant of Aspinock Co.; Elliott W. Peck, Design of a Bridge; Henry W. Pope, Design for Water Supply for Southboro'; Otis D. G. Rice, Stand-

pipe and Pumping Station; Warren A. Scott, Working on Thesis with Linnell.

BANJO CLUB.

"'Tis an ill wind that blows no good." The truth of this quotation has been amply demonstrated lately in regard to the Banjo Club. The matter assumed rather a blue aspect for the club when Mr. Chambers felt called upon by private reasons to resign his position as leader. Mr. Chambers had placed the club firmly upon its feet, and his absence is sorely felt. Fortune smiled, however, upon the organization in the shape of Mr. Wheeler, '94, who kindly lent a helping hand, taking up the work where Mr. Chambers left it. Mr. Wheeler is one of the best players in the city, and is an excellent leader, and we are safe in saying that the club will make a creditable showing in the concert. All the selections are bright and pithy and embrace the latest compositions.

There is no reason why this concert should not be made a howling success, both for the honor of the Institute and the finances of the interested associations. Pitch in, boys, and hustle.

THE TENNIS CLUB.

The officers of the Tennis Club are busy at work getting ready for this season. Work on the courts was commenced Wednesday morning, and when the "Admiral" gets through with them, they are sure to be in excellent shape.

It is as yet undecided whether a tournament will be held this spring or not. Those not already members, who desire to join should give their names, along with a two-dollar bill, to G. O. Sanford, '95. As has been the custom in past years, the Club will issue 25 limited tickets, which will be given to those holding them last year, on payment of one dollar. Those wishing to secure a limited ticket for the first time this year, will be charged \$1.50. The usual number of summer tickets, good only while the Institute is not in session, will be issued this year. The cost of these is \$1.00, and they are for the public as long as they last.

FOOT BALL.

"Will all men who intend to try for the positions of 'Quar' 'Half' and 'Full back' on the Institute team next fall kindly give their names to Chas. P. Ware, '96, that he may give instructions regarding practice, which will commence as soon as the weather is favorable. This should be done immediately, as each man should know the wishes of the captain before

attempting any practice." Since the above was posted a large number of men have joined the summer squad. The position of fullback has but a few candidates, and the management desire especially that the men who played this position on the class teams would give some time to practice this spring. Seven games have thus far been arranged. With such teams as Brown, M. I. T., Trinity, Tufts, the schedule will be as strong as last year. It is earnestly desired that the men who sever their connection with the College this year would return all property belonging to the team. This has been spoken of before, but little attention was paid to it.

W. M. E. S.

The next regular meeting of the Washburn Mechanical Engineering Society will be held in the Salisbury Laboratories on Monday evening, May 7th, at 8 o'clock.

Mr. Victor E. Edwards, of '83, will present a paper on "Heavy Cast-iron Gears." (By the kind consent of the author, this paper was set over from the last meeting to give more time at that meeting for the discussion of other subjects on the programme.)

Mr. John W. Burke, of '87, will give a paper on "Water Supply; Reservoir Construction."

You are cordially invited to be present and take part in the discussions. Also to bring with you guests whom you may invite. George I. Alden, Secretary.

LECTURE ON CHEMICAL TECHNOLOGY.

The optional lecture by Dr. Fuller, on April 18th, was attended by nearly half of the Senior Class, who listened to an interesting discourse on the products of fractional distillation of crude petroleum. Particular attention was paid to the technical uses of the different products, naphtha, kerosene, lubricating oils, paraffine, etc. Methods, illustrated by practical demonstration, were given for finding the flash and ignition points of oils, and for testing and neutralizing lubricating oils containing free acid.

CONCERT ARRANGEMENTS.

A committee of six has been appointed to arrange the business affairs in connection with the Glee Club Concert. The committee comprises Messrs. H. P. Linnell and C. G. Harris from the Glee Club; W. E. Hapgood and A. H. Warren from the Base-Ball Association; F. E. Killam and C. A. Harrington from the Athletic Association.

A meeting was held Friday noon, and the details of advertising arranged. The date of the

concert is not definitely decided, but will probably be May 10th.

ALUMNI NOTES.

'81. Through the compliments of its author, there was sent to the editorial table, last week, a pamphlet, "Plant Diseases, and their Remedies," by N. A. Cobb, B.Sc., Ph.D. (Pathologist to the Department of Agriculture, New South Wales).

The book, a 56-page pamphlet, containing over seventy illustrations, is devoted to diseases of the sugar-cane. The greater part of it is an exhaustive treatise on the disease known as Gummy of the sugar-cane. It is a disease which has only at a comparatively recent date been brought to prominent notice by Mr. Cobb. His researches into its causes and remedies are extremely interesting, and must be of great value to the growers of the sugar-cane.

'83. A petition, signed by the leading democratic men of this city, was sent to Washington this week. The petition urges that John E. Gallagher be appointed supervising architect of the new post-office building in place of the present incumbent.

Mr. Gallagher, after graduating from the Institute accepted a position in the City Engineer's office of this city, which position he held for six years. For the past three years Mr. Gallagher has been connected with the Washburn and Moen Co. as civil engineer, being constructing engineer and supervisor of the new plant of the company recently started at Waukegan, Ill.

'87. Prof. R. T. Gleason, who is at the head of the Department of Industrial Training, has received an invitation to deliver an address before the Manual Training Teachers' Association of America, which will be held at Drexel Institute, Philadelphia, this summer, mention of which was made in the last W P I.

'92. C. A. Needham has been elected Captain of the Clinton-Lancaster Athletic Club.

'92. Clayton O. Smith has severed his connection with the Westinghouse Electric Co. of Pittsburg, Pa., to accept a position as draughtsman with the C. W. Hunt Co., Coal Handling Machinery M'f'rs, of West Brighton, Staten Island, New York.

'93. Charles T. Tatman, one of the prominent members of the American Numismatic Association, has just prepared an interesting paper on the "Virginia Coinage." This is the second paper in the American Numismatic series published by him. Mr. Tatman, at the recent meeting of the American Republican College League, was appointed a member of the executive committee.

TECHNICALITIES.

Gehr, '96, has left the Institute and returned to his home in Chicago.

Howe, '95, was quite severely pinched while at work on the small planer in the shop.

A large number of the students attended the Brown-Holy-Cross game on Patriots' Day.

Don't forget to go to the Oval every night from now until the date of the Intercollegiate sports.

Ask Cobb what he thinks of the view from the top of the tower of Boynton Hall.

The Institute has a neat advertisement now running in the *Phillipian*, published by the Phillips Andover students.

Many of the students attended a private subscription dance, Friday Evening, April 20th. It was arranged by Mr. Harrington, '95.

All those who desire any back numbers of the W P I to complete their files, should see the Business Manager immediately.

J. M. Tilden, '95, has returned to work after a month's absence, caused by the injury to his eye that he received in the laboratories.

The Junior Mechanics are now having two hours of Steam a week, instead of one as before the vacation. They are now at work on indicator cards.

H. B. Coumans, who has been Mr. Mitchell's assistant in the Shop for the past two years, gets through next Saturday night. He intends to study for the ministry.

The practice ball games Wednesday and Thursday, resulted in victories for Tech. Hereafter two practice games with the High Schools will be played each week.

The practice game of base-ball with the High School men Wednesday afternoon, resulted in a victory for our men, but only after the High Schools' had scored 13 runs to our 16.

A number of the students here gave the band valuable assistance (?) at the Paul Revere demonstration on Wednesday Evening, preceding Patriots' Day.

Several men made up their conditions in mathematics with Prof. Sinclair, on the Wednesday preceding the opening of the Institute after the Spring recess.

Don't fail to go to the game between the Academy and Tech at the Oval Saturday, April 28th. It is sure to be a great contest and Tech will come out on top.

Any one who has occasion to ride over the Boynton street line of electrics cannot fail to condemn the company for the wretched condition which the track is in at the present time.

At the Senior class meeting Tuesday noon, April 17th, it was moved to ask the Reverend A. Z. Conrad to deliver the baccalaureate sermon. Mr. H. N. Smith was elected statistician.

Freshman B has challenged division A to a ball game next Wednesday. Division A has nearly all the players of the class, and it may be expected that division A will win. The game, however, will show whether or not '97 has any ball players.

Owing to the fact that Benchley, '97, has left, there is no representative from that class on the Board of Directors of the Base-ball Association. Instead of calling a regular meeting, the Directors have voted to have the Freshmen appoint their Director at the next class meeting.

Overheard in recitations.

Metallurgy.—“Why, I suppose chilled iron was made by chilling the iron before it got cold.”

Pol. Econ.—“Because in America the landowner and laborer may be one, and the capitalist two (?)”

Mineralogy.—“And add about an inch of water.”

FOR SALE.

A few copies of Aftermath of '94 at HALF PRICE; apply to Post-Graduates at the Salisbury Laboratories. For obvious reasons these books will not be sold to '94 men.

SOME COLLEGE VERSE.

THE MODERN COLLEGE GIRL.

What do the dear girls learn, nowadays,
At all the colleges where they go?
They've no cane-rushes, or foot-ball frays;
Whence can their wealth of wisdom flow?
Up at Wellesley they learn to row;
Gowns and motor-boards there are swell;
They flirt in the shade of “Tupelo:”
I have been there,—but I won't tell.

The Smith girls had the dramatic craze,
And even the critics puffed their show;
The Amherst men are loud in their praise;
They diet on pickled limes and Poe.
At good Mount Holyoke, which some deem slow,
They learn to cook and to sweep as well;
Along with their Greek they're taught to sew:
I have been there,—but I won't tell!

Cornell's “Co-eds” have flattering ways;
Many a soul they have filled with woe;
Up at Vassar they're prone to stays,
And no girl there can have a beau.
All those beautiful blooms must throw
Their sweetness away where no man may dwell;
Rules can be cheated sometimes, though:
I have been there,—but I won't tell.

ENVOY.

Girls, the Blue and the Crimson know
How a tryst is kept after bedtime bell.
“Hush-sh” you whisper, “be cautious!” Oh,
I have been there,—but I won't tell!

LOUIS W. SOUTHGATE,

Late Examiner U. S. Patent Office, formerly
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April 28, at the "Oval," ACADEMY vs. TECH.

Game at 3.30.

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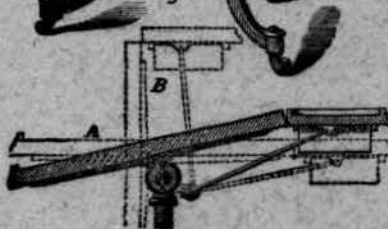
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Fig. 1



Fig. 2



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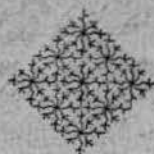
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